



NJ DEPARTMENT OF TRANSPORTATION

RESEARCH LIBRARY

SELECTED RECENT ACQUISITIONS

January - March 2016

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at library@dot.state.nj.us (Library, DOT) or call 609-530-5289 for these or any other publications.

Administration and Management

Accomplishments 2015 /

Pennsylvania State Transportation Innovation Council (STIC) -- Harrisburg, PA : Pennsylvania Dept. of Transportation, 2016, 20 pp.

At the Crossroads: Preserving Our Highway Investment /

John O'Doherty -- Okemos, MI : Michigan State University, National Center for Pavement Preservation (NCPP), 2007

Funding Resilient Infrastructure in New Jersey: Attitudes Following a Natural Disaster /

Robert B. Noland, Marc D. Weiner, and Michael R. Greenberg -- San Jose, CA : San Jose State University, College of Business, Mineta National Transit Research Consortium, 2016-02 (CA-MNTRC-15-1243), 60 pp.
<http://transweb.sjsu.edu/PDFs/research/1243-infrastructure-funding-attitudes-after-natural-disaster-new-jersey.pdf>

An Inventory of Properties Owned by the New Jersey Department of Transportation for Transportation Projects Not Under Construction - Report to the Governor and Legislature /

New Jersey Department of Transportation, Division of Right of Way & Access Management and Division of Legislative, Administrative & Regulatory Actions -- Trenton, NJ : NJDOT, 2016-02 (Legislatively Mandated Reports), 116 pp.

Public Perception of Mileage-Based User Fees /

Asha Weinstein Agrawal, Hilary Nixon, and Ashley M. Hooper -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 487), 139 pp.
<http://www.trb.org/Publications/Blurbs/173605.aspx>

Revenue, Finance, Pricing, and Economics /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2530), 123 pp. <http://www.trb.org/Publications/Blurbs/173742.aspx>

Aviation

ACRP 2015 Annual Report of Progress /

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2015 (Airport Cooperative Research Program), 68 pp. <http://www.trb.org/Publications/Blurbs/173790.aspx>

Airport Terminal Building Energy Use Intensity (ATB-EUI) Benchmarking Tool [Electronic] /

Jeff S. Haberl et al. -- Washington, DC : Transportation Research Board, 2015 (CRP-CD-178 ; ACRP Web-Only Document 27), CD-ROM and Web-based document
<http://www.trb.org/Publications/Blurbs/173795.aspx>

Commercial Spaceports /

Transportation Research Board -- Washington, DC : TRB, 2015 (TR News No. 300 (November/December 2015)), 44 pp. <http://www.trb.org/Publications/Blurbs/173794.aspx>

Evaluating Methods for Determining Interior Noise Levels Used in Airport Sound Insulation Programs /

Paul Schomer, Jack Freytag, and Randy Waldeck -- Washington, DC : Transportation Research Board, 2016 (ACRP Report 152), 150 pp <http://www.trb.org/Publications/Blurbs/174142.aspx>

Synthesis of Information Related to Airport Practices /

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2016-01 (Research Results Digest 23), 9 pp. <http://www.trb.org/Publications/Blurbs/173831.aspx>

Bicycles and Pedestrians

Bicycles and Motorcycles /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2520), 174 pp. <http://www.trb.org/Publications/Blurbs/173998.aspx>

Bicycling and Walking in the United States: 2016 Benchmarking Report /

Alliance for Biking & Walking -- [Washington, DC] : The Alliance, 2016, 198 pp.
<http://www.bikewalkalliance.org/download-the-2016-benchmarking-report>

Buffalo Bicycle Master Plan Update - Final Report /

Jeff Olson et al. -- Buffalo, NY : GObike Buffalo ; Albany, NY : New York State Energy Research and Development Authority (NYSERDA) ; New York State Dept. of Transportation (NYSDOT), 2016-01 (15-34 ; C-13-51), 168 pp.

Incorporating On-Road Bicycle Networks into Resurfacing Projects /

Toole Design Group and Cambridge Systematics -- [Washington, DC] : U.S. Dept. of Transportation, Federal Highway Administration, 2016-03 (FHWA-HEP-16-025), 66 pp.
https://www.fhwa.dot.gov/environment/bicycle_pedestrian/publications/resurfacing/

Pedestrians /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2519), 188 pp. <http://www.trb.org/Publications/Blurbs/174037.aspx>

Bridges and Structures

2016 Interim Revisions to the AASHTO LRFD Bridge Design Specifications - Seventh Edition 2014 - U.S. Customary Units [Looseleaf] /

American Association of State Highway and Transportation Officials -- Washington, DC : AASHTO, 2015, 195 pp.

Covered Bridges and the Birth of American Engineering /

Justine Christianson and Christopher H. Marston, executive editors ; James Barker et al. -- Washington, DC : National Park Service, Historic American Engineering Record, 2015, 246 pp.
<http://permanent.access.gpo.gov/gpo64533/CoveredBridges2015.pdf>

Develop Epoxy Grout Pourback Guidance and Test Methods to Eliminate Thermal/Shrinkage Cracking at Post-Tensioning Anchorages - Phase II /

Irtishad Ahmad et al. -- Miami, FL : Florida International University, Dept. of Civil and Environmental Engineering and OHL School of Construction ; Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2016-01 (FDOT BDV29-977-13), 113 pp.
http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_STR/FDOT-BDV29-977-13-rpt.pdf

Extending Bridge Service Life Through Field Welded Repair and Retrofits /

Philip E. Fish, Curtis J. Schroeder, and Robert J. Connor -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 489), 65 pp. <http://www.trb.org/Publications/Blurbs/174111.aspx>

Hurricane Hazard Mitigation in Traffic Light Support Structures /

Aly Mousaad Aly, Hamzeh Gol Zaroudl, and Milad Rezaee -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering ; Louisiana Dept. of Transportation and Development, 2016-01 (FHWA/LA.15/14-2TIRE), 108 pp.
<http://www.ltrc.lsu.edu/pdf/2016/14-2TIRE.pdf>

Innovative Inspection Devices Help Extend Timber Bridge Life Spans: How Local Engineers Can Use State-of-the-Art Technology to Address Deterioration and Save Money /

Eruca Larsen and Renae Kuehl -- [St. Paul], MN : Minnesota Dept. of Transportation, 2015-11 (Research Pays Off), 3 pp. <http://onlinepubs.trb.org/onlinepubs/trnews/trnews300rpo.pdf>

Long-Term Bridge Performance (LTBP) Program Publications [CD-ROM] /

Turner-Fairbank Highway Research Center -- McLean, VA : Federal Highway Administration, 2015 (FHWA-HRT-10-058, HRT-11-037, HRT-13-033, HRT-13-035, HRT-13-049, HRT-13-051, HRT-14-019, HRT-14-031, HRT-14-032, HRT-14-043, HRT-14-052, HRT-14-053, HRT-15-050, HRT-15-073), Untitled disc contains brochure and multiple LTBP newsletters, reports, and TechBriefs

NDE Web Manual: An Interactive Resource on Nondestructive Evaluation (NDE) Technologies and Assessment Tools [Brochure] /

FHWA Advanced Sensing Technology (FAST) NDE Laboratory -- McLean, VA : Federal Highway Administration, Turner-Fairbank Highway Research Center, 2016 (FHWA-HRT-16-026), 4 pp.
<https://fhwaapps.fhwa.dot.gov/ndep/>

Survey of Micropile Use in Neighboring Western States /

Steve Perkins -- Bozeman, MT : Montana State University, Dept. of Civil Engineering ; Helena, MT : Montana Dept. of Transportation, Research Programs, 2015-10 (FHWA/MT-15-004/8117-049), 43 pp.
http://www.mdt.mt.gov/other/webdata/external/research/docs/research_proj/micropile/FINAL_REPORT.pdf

Communications

Fast Facts 2016 [Fact Sheet] /

Michigan Department of Transportation, Intermodal Policy Section -- Lansing, MI : MDOT, 2016, 4 pp.
https://www.michigan.gov/documents/mdot/MDOT_fastfacts02-2011_345554_7.pdf

Construction

Formwork for Concrete - 8th Edition /

David W. Johnston -- 8th edition -- Farmington Hills, MI : American Concrete Institute, 2014, various pagings

Energy and Environment

Assessment of Approaches to Updating the Social Cost of Carbon: Phase 1 Report on a Near-Term Update /

Committee on Assessing Approaches to Updating the Social Cost of Carbon; Board on Environmental Change and Society; Division of Behavioral and Social Sciences and Education; National Academies of Sciences, Engineering, and Medicine -- Washington, DC : National Academies Press, 2016, 73 pp.
<http://www.nap.edu/21898>

Evaluation of Curb and Gutter Inlet Protection Products for Sediment Retention /

Rabin Bhattarai et al. -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Agricultural and Biological Engineering ; Springfield, IL : Illinois Dept. of Transportation (SPR), Bureau of Material and Physical Research, 2016-01 (FHWA-ICT-16-001), 45 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=4726>

Wildlife Crossing: Web-Connected Cameras Offer Improved Monitoring for Highways [Fact Sheet] /

Exploratory Advanced Research Program -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2016 (FHWA-HRT-16-033), 2 pp.
<http://www.fhea.dot.gov/advancedresearch/pubs/16033/16033.pdf>

Freight / Goods Movement

Commodity Flow Survey Workshop /

Kathleen Hancock, editor -- Washington, DC : Transportation Research Board, 2016-02 (Transportation Research Circular No. E-C205), 56 pp. <http://onlinepubs.trb.org/onlinepubs/circulars/ec205.pdf>

Food Distribution Supply Chain Data Collection: Supply Chain Firm Interviews and Truck Counts

/

Anne V. Goodchild and Luka Ukrainczyk -- Seattle, WA : University of Washington, Washington State Transportation Center (TRAC) ; Olympia, WA : Washington State Dept. of Transportation, Research Office, 2016-02 (WA-RD 850.1), 57 pp. <http://www.wsdot.wa.gov/research/reports/fullreports/850.1.pdf>

Freight Facts and Figures 2015 /

William H. Moore, editor -- 11th edition -- Washington, DC : U.S. Dept. of Transportation, Bureau of Transportation Statistics, 2016, 99 pp.
http://www.rita.dot.gov/bts/sites/rita.dot.gov/bts/files/data_and_statistics/by_subject/freight/freight_facts_2015

GPS Data for Truck-Route Choice Analysis of Port Everglades Petroleum Commodity Flow /

Abdul R. Pinjari et al. -- Tampa, FL : University of South Florida, Dept. of Civil and Environmental Engineering ; Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2016-01 (FDOT BDV25-977-17), 66 pp.
http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_PL/FDOT-BDV25-977-17-rpt.pdf

Implementation and Evaluation of a Low-Cost Weigh-In-Motion System /

Taek M. Kwon -- Duluth, MN : University of Minnesota Duluth, Dept. of Electrical Engineering ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2016-03 (MN/RC 2016-10), 47 pp.
<http://www.dot.state.mn.us/research/TS/2016/201610.pdf>

Geotechnical

Influence of Geotechnical Investigation and Subsurface Conditions on Claims, Change Orders, and Overruns /

Andrew Z. Boeckmann and J. Erik Loehr -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 484), 38 pp., Appendix A and Appendix B are web-only
<http://www.trb.org/Publications/Blurbs/173907.aspx>

Testing Protocol for Predicting Driven Pile Behavior within Pre-bored Soil /

Malay Ghose-Hajra and Eduardo A. Tavera -- New Orleans, LA : University of New Orleans, Dept. of Civil and Environmental Engineering ; Baton Rouge, LA : Louisiana Dept. of Transportation and Development, 2016-02 (FHWA/LA.15/546), 179 pp. http://www.ltrc.lsu.edu/pdf/2016/FR_546.pdf

Highway Design

Development of the ConnDOT Horizontal Curve Classification Software - Phase II /

Abigail Osei-Asamoah and Eric Jackson -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute, Connecticut Transportation Safety Research Center ; Newington, CT : Connecticut Dept. of Transportation, Bureau of Engineering and Highway Operations, Research and Materials, 2015-02 (CT-2291-F-15-3), 49 pp.

Highway Design /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2521), 194 pp. <http://www.trb.org/Publications/Blurbs/174007.aspx>

Roadway Design Manual - 2015 [Looseleaf] /

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2015, 468 pp.
<http://www.state.nj.us/transportation/eng/documents/RDM/>

Information Management

Digitizing and Formatting of Connecticut Department of Transportation Archived Technical Reports /

James Mahoney -- Storrs, CT : University of Connecticut, Connecticut Transportation Institute ;
Newington, CT : Connecticut Dept. of Transportation, Bureau of Engineering and Construction, Research
Unit, 2015-04 (CT-2275-F-15-5), 18 pp.

Uses of Mobile Information Technology Devices in the Field for Design, Construction and Asset Management /

Gabriel B. Dadi, Roy E. Sturgill, Jr., and Xi Wang -- Washington, DC : Transportation Research Board,
2016 (NCHRP Synthesis 491), 101 pp.

Intelligent Transportation Systems (ITS)

Intelligent Transportation Systems and Connected and Automated Vehicles /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No.
2489), 152 pp. <http://www.trb.org/Publications/Blurbs/173966.aspx>

ITS America: Intelligent Transportation Systems 25 Years Anniversary [Brochure] /

Intelligent Transportation Society of America -- Washington, DC : ITS America, 2015, trifold

Landscape and Urban Design

Shrub Willows Make for Effective, Inexpensive Snow Fences in Minnesota [TechSummary] /

CTC & Associates -- St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library,
2016-01 (2015-46TS), 2 pp. <http://www.dot.state.mn.us/research/TS/2015/201546TS.pdf>

Legal Issues

Commercial Driver License Manual: Requirements for Licensing in New Jersey /

New Jersey Motor Vehicle Commission -- [Trenton, NJ] : NJ MVC, 2015-08, 156 pp.
http://www.nj.gov/mvc/pdf/Commercial/CDL_Manual.pdf

Liability of Design-Builders for Design, Construction, and Acquisition Claims /

Michael C. Loulakis et al. -- Washington, DC : Transportation Research Board, 2015-12 (Legal Research
Digest 68), 124 pp. <http://www.trb.org/Publications/Blurbs/173607.aspx>

A Look at the Legal Environment for Driveless Vehicles /

Dorothy J. Glancy, Robert W. Peterson, and Kyle F. Graham ; James B. McDaniel, editor -- Washington,
DC : Transportation Research Board, 2016-02 (Legal Research Digest 69), 81 pp.
<http://www.trb.org/Publications/Blurbs/173557.aspx>

Marine / Waterways

Enhancing Sleep Efficiency on Vessels in the Tug/Towboat Barge Industry /

Kathryn J. Reid, Fred W. Turek, and Phyllis C. Zee -- Washington, DC : Transportation Research Board, 2016 (NCFRP Report 36), 179 pp. <http://www.trb.org/Publications/Blurbs/173857.aspx>

Materials

Concrete Materials /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2508), 110 pp. <http://www.trb.org/Publications/Blurbs/173678.aspx>

Performance Studies and Future Directions for Mixes Containing RAP and RAS: Technical Report /

Soohyok Im, Sheng Hu, and Fujie Zhou -- College Station, TX : Texas A&M Transportation Institute ; Austin, TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-02 (FHWA/TX-15/0-6738-2), 124 pp. <http://tti.tamu.edu/documents/0-6738-2.pdf>

Supplementary Cementitious Materials: Best Practices for Concrete Pavements [TechBrief] /

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, FHWA, 2016-02 (FHWA-HIF-16-001), 7 pp. <https://www.fhwa.dot.gov/pavement/concrete/pubs/hif16001.pdf>

Validation of Guidelines for Evaluating the Moisture Susceptibility of WMA Technologies /

Amy Epps Martin et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Report 817), 33 pp. <http://www.trb.org/Publications/Blurbs/173821.aspx>

Operations and Maintenance

Bridge Trough Maintenance Evaluation on Finger Joint Bridges /

Eric Steinberg, Kenneth Walsh, and Nik Sparks -- Athens, OH : Ohio University, Dept. of Civil Engineering ; Columbus, OH : Ohio Dept. of Transportation, 2016-02 (FHWA/OH-2015/35), 45 pp. <http://cdm16007.contentdm.oclc.org/cdm/ref/collection/p267401ccp2/id/13361>

Climate Change Adaptation Guide for Transportation Systems Management, Operations, and Maintenance /

Susan Asam et al. -- Reston, VA : Leidos ; Washington, DC : ICF International, Inc. ; U.S. Dept. of Transportation, Federal Highway Administration, 2015-11 (FHWA-HOP-15-026), 88 pp. <http://www.ops.fhwa.dot.gov/publications/fhwahop15026/index.htm>

Training and Certification of Highway Maintenance Workers /

Nancy Laffey and Kathryn A. Zimmerman -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 483), 124 pp. <http://www.trb.org/Publications/Blurbs/173819.aspx>

Transportation System Resilience to Extreme Weather and Climate Change [Fact Sheet] /

Federal Highway Administration -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2015-11 (FHWA-HOP-15-025), 4 pp. <http://www.ops.fhwa.dot.gov/publications/fhwahop15025/fhwahop15025.pdf>

Winter Highway Maintenance Operations: Connecticut /

James Mahoney et al. -- Rocky Hill, CT : Connecticut Academy of Science & Engineering ; Newington, CT : Connecticut Dept. of Transportation, 2015-07 (CT-2289-F-15-1), 220 pp.

Pavements

Alternatives to Seal Coats /

Braun Intertec Corporation -- St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, Local Roads Research Board (LRRB), 2016-02 (TRS 1602), 44 pp.

<http://www.dot.state.mn.us/research/TRS/2016/TRS1602.pdf>

Appropriate Implementation of Pavement Preservation Treatments /

Nick Vitillo et al. -- Piscataway, NJ : Rutgers University ; Trenton, NJ : New Jersey Dept. of Transportation, 2015-04 (FHWA-NJ-2015-011), 2 volumes - Volume 1: Final Report and Volume 2: Appendices Volume 1 -

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2015-011-I.pdf> ; Tech Brief -

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2015-011-TB.pdf> ; Volume 2 -

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2015-011-II.pdf>

Continuous Friction Measurement Equipment As a Tool for Improving Crash Rate Prediction: A Pilot Study /

Edgar De Leon Izeppi et al. -- Blacksburg, VA : Virginia Tech Transportation Institute ; Richmond, VA : Virginia Dept. of Transportation, 2016-01 (VTRC 16-R8), 42 pp.

http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r8.pdf

Converting Paved Roads to Unpaved /

Laura Fay et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 485), 88 pp.

<http://www.trb.org/Publications/Blurbs/173716.aspx>

Development of DARWin-ME Design Guideline for Louisiana Pavement Design /

Zhong Wu and Danny X. Xiao -- Baton Rouge, LA : Louisiana Transportation Research Center ; Louisiana Dept. of Transportation and Development, 2016-01 (FHWA/LA.11/551), 202 pp.

http://www.ltrc.lsu.edu/pdf/2016/FR_551.pdf

Evaluate and Develop Innovative Pavement Repair and Patching: Taconite-Based Repair Options /

Lawrence M. Zanko, David M. Hopstock, and Will DeRocher -- Duluth, MN : University of Minnesota Duluth, Natural Resources Research Institute ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2016-01 (MN/RC 2016-03), 127 pp.

<http://www.dot.state.mn.us/research/TSI/2016/201603.pdf>

The Long-Term Pavement Performance Program - Summary of Key Benefits 1989-2015 [Brochure] /

Long-Term Pavement Performance Program -- Washington, DC : U.S. Dept of Transportation, Federal Highway Administration, 2016 (FHWA-HRT-16-013), 4 pp.

<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltpp/16013/index.cfm>

Long-Term Pavement Performance Program Determination of In-Place Elastic Layer Modulus: Backcalculation Methodology and Procedures /

Harold L. Von Quintus, Chetana Rao, and Lynne Irwin -- Champagne, IL : Applied Research Associates, Inc. ; McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, Turner-Fairbank Highway Research Center, 2015-12 (FHWA-HRT-15-036), 177 pp.
<http://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/15036/index.cfm>

LTPP InfoPave: Knowledge into Action - Performance Data for Pavement Innovation [Brochure] /

Long-Term Pavement Performance Program -- Washington, DC : U.S. Dept of Transportation, Federal Highway Administration, 2016 (FHWA-HRT-16-027), 4 pp. <https://infopave.fhwa.dot.gov> ;
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/16027/index.cfm>

LTPP InfoPave: Q&A [Brochure] /

Long-Term Pavement Performance Program -- Washington, DC : U.S. Dept. of Transportation, Federal Highway Administration, 2016 (FHWA-HRT-16-028), 2 pp.
<https://www.fhwa.dot.gov/publications/research/infrastructure/pavements/ltp/16028/index.cfm>

Pavement Management - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2523), 163 pp. <http://www.trb.org/Publications/Blurbs/173861.aspx>

Pavement Management - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2524), 159 pp. <http://www.trb.org/Publications/Blurbs/173860.aspx>

Pavement Management - Volume 3 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2525), 117 pp. <http://www.trb.org/Publications/Blurbs/173867.aspx>

Planning

Between Public and Private Mobility: Examining the Rise of Technology-Enabled Transportation Services /

Transportation Research Board, Committee for Review of Innovative Urban Mobility Services -- Washington, DC : TRB, 2016 (Special Report 319), 175 pp.
<http://www.trb.org/Publications/Blurbs/173511.aspx>

Data Methods to Understand Travel /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2526), 142 pp. <http://www.trb.org/Publications/Blurbs/173872.aspx>

Developing Countries /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2512), 121 pp. <http://www.trb.org/Publications/Blurbs/173679.aspx>

Dynamic Ride-Share, Car-Share, and Bike-Share and State-Level Mobility: Research to Support Assessing, Attracting, and Managing Shared Mobility Programs - Final Report /

Kristi Miller et al. -- College Station, TX : Texas A&M Transportation Institute ; Austin TX : Texas Dept. of Transportation, Research and Technology Implementation Office, 2016-02 (FHWA/TX-15/0-6818-1), 220 pp. <http://tti.tamu.edu/documents/0-6818-1.pdf>

Managing Performance and Assets; Freight Data and Visualization /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2529), 73 pp. <http://www.trb.org/Publications/Blurbs/173870.aspx>

Methodology for Linking Greenways and Trails with Public Transportation in Florida /

Sara Hendricks and Martin Catala -- Tampa, FL : University of South Florida, Center for Urban Transportation Research (CUTR), National Center for Transit Research ; Tallahassee, FL : Florida Dept. of Transportation, Research Center, 2016-02 (FDOT BDV26 TWO 977-03), 165 pp. http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_PTO/FDOT-BDV26-977-03-rpt.pdf

Network Modeling - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2497), 134 pp. <http://www.trb.org/Publications/Blurbs/173866.aspx>

Planning - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2500), 148 pp. <http://www.trb.org/main/blurbs/173967.aspx>

Review of the U.S. Global Change Research Program's Update to the Strategic Plan Document - Prepublication Copy /

National Academies of Sciences, Engineering, and Medicine, Committee to Advise the U.S. Global Change Research Program, Board on Atmospheric Sciences and Climate, and Board on Environmental Change and Society -- Washington, DC : National Academies Press, 2016, 89 pp. <http://www.nap.edu/catalog/23396/review-of-the-us-global-change-research-programs-update-to-the-strategic-plan-document>

Socioeconomics, Sustainability, Health, and Human Factors /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2531), 194 pp. <http://www.trb.org/Publications/Blurbs/173969.aspx>

Travel Behavior - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2495), 141 pp. <http://www.trb.org/Publications/Blurbs/173884.aspx>

Travel Demand Forecasting - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2493), 144 pp. <http://www.trb.org/Publications/Blurbs/173997.aspx>

Travel Demand Forecasting - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2494), 96 pp. <http://www.trb.org/Publications/Blurbs/173886.aspx>

Rail

Comparison of Passenger Rail Energy Consumption with Competing Modes /

TranSys Research Ltd. et al. -- Washington, DC : Transportation Research Board, 2015 (NCRRP Report 3), 197 pp., with CD-ROM <http://www.trb.org/Publications/Blurbs/173718.aspx>

Rail: Moving America Forward - 2016 Transportation Research Board Annual Meeting - Reference Materials [CD-ROM] /

Federal Railroad Administration -- Washington, DC : U.S. Dept. of Transportation, FRA, 2016, 11 files in 3 folders

Reference

PE Civil Engineering Transportation Practice Exam /

NCEES -- Clemson, SC : NCEES Exam Publications, 2014, 95 pp.

Pocket Guide to Transportation, 2016 /

Bureau of Transportation Statistics -- Washington, DC : U.S. Dept. of Transportation, 2016-01, 59 pp. http://www.bts.gov/publications/pocket_guide_to_transportation/2016/

Six-Minute Solutions for Civil PE Transportation Depth Exam Problems - Fifth Edition /

Norman R. Voigt -- 5th edition -- Belmont, CA : Professional Publications, Inc., 2014, various pagings

State Transportation Statistics 2015 /

Bureau of Transportation Statistics -- Washington, DC : U.S. Dept. of Transportation, BTS, 2015, 130 pp. http://www.rita.dot.gov/bts/sites/rita.dot.gov.bts/files/STS_2015.pdf

Research

Continuing Project to Synthesize Information on Highway Practices /

Jon M. Williams et al. -- Washington, DC : Transportation Research Board, 2016-01 (Research Results Digest 398), 23 pp. <http://www.trb.org/main/blurbs/173793.aspx>

Data Management for Researchers: Organize, Maintain and Share Your Data for Research Success /

Kristin Briney -- Exeter, UK : Pelagic Publishing, 2015 (Research Skills Series), 191 pp.

LTRC Annual Research Program: Fiscal Year July 1, 2015 - June 30, 2016 /

Louisiana Transportation Research Center -- Baton Rouge, LA : Louisiana Dept. of Transportation and Development, LTRC, 2015, 228 pp. http://www.ltrc.lsu.edu/pdf/2015/ltrc_15_16_awp.pdf

NCHRP 2015 Annual Report /

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2015 (SP15), 51 pp. <http://www.trb.org/main/blurbs/173686.aspx>

Right-of-Way

Issues that Emerge When Public Entities Acquire a Real Property Interest in Rail Lines /

Charles A. Spitulnik et al. -- Washington, DC : Transportation Research Board, 2016-02 (Legal Research Digest 3), 38 pp. <http://www.trb.org/Publications/Blurbs/173929.aspx>

Safety & Human Performance

Assessment of the Performance of Light-Emitting Diode Roadway Lighting /

Ronald B. Gibbons, Yingfeng "Eric" Li, and Jason E. Meyer -- Blacksburg, VA : Virginia Tech Transportation Institute ; Richmond, VA : Virginia Dept. of Transportation, 2015-10 (VTRC 16-R6), 75 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r6.pdf

Automated Sidewalk Quality and Safety Assessment System - Final Report /

Randall Guensler et al. -- Atlanta, GA : Georgia Institute of Technology, School of Civil and Environmental Engineering ; Georgia Dept. of Transportation ; [Gainesville, FL : University of Florida], Southeastern Transportation Research, Innovation, Development, and Education Center (STRIDE), 2015-09 (STRIDE 2012-067S), 159 pp.
http://stride.ce.ufl.edu/uploads/docs/STRIDE_2012-067S_automated_sidewalk_quality_and_safety_assessment_system_final_report_2015.pdf

A Benefit-Cost Analysis Tool for Assessing Guardrail Needs for Two-Lane Rural Roads in Virginia /

Justice Appiah and Benjamin H. Cottrell, Jr. -- Charlottesville, VA : Virginia Transportation Research Center ; Richmond, VA : Virginia Dept. of Transportation, 2015-10 (FHWA/VTRC 16-R5), 44 pp.
http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r5.pdf

Commercial Motor Vehicle Traffic Safety Facts [Fact Sheet] /

Federal Motor Carrier Safety Administration -- Washington, DC : U.S. Dept. of Transportation, FMCSA, 2014-04 (FMCSA-ADO-14-001), 2 pp.
https://www.fmcsa.dot.gov/sites/fmcsa.dot.gov/files/docs/CMV%20Traffic%20Safety%20Facts_508.pdf

Development and Evaluation of Weak-Post W-Beam Guardrail in Mow Strips /

Scott K. Rosenbaugh et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; UTC Region VII, Mid-America Transportation Center ; Nebraska Dept. of Roads, Midwest States Pooled Fund Program, 2015-10 (TRP-03-322-15 ; MATC-UNL: 206), 236 pp.

Development of a Crashworthy Pedestrian Rail /

Karla A. Lechtenberg et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Madison, WI : Wisconsin Dept. of Transportation, 2016-01 (TRP-03-321-15), 464 pp.

Evaluation for School Bus Stop Sign Ahead Signs /

Bryan Katz et al. -- Gainesville, VA : Toxcel, LLC ; Dayton, OH : TEC Engineering, Inc. ; Columbus, OH : Ohio Dept. of Transportation, Research Section, 2016-02 (FHWA/OH-2016/1), 79 pp.

Highway Safety Manual - 1st Edition and Highway Safety Manual Supplement - Errata /

AASHTO, 2016-03, 108 pp. <http://downloads.transportation.org/HSM-1-M-Errata.pdf>

Human Performance, User Information, and Simulation /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2518), 129 pp. <http://www.trb.org/Publications/Blurbs/173968.aspx>

Information as a Source of Distraction /

Vaughan W. Inman, Mary Ann Bertola, and Brian H. Philips -- McLean, VA : Leidos ; Washington, DC : Federal Highway Administration, Manual of Uniform Traffic Control Devices Team, 2015-11 (FHWA-HRT-15-027), 142 pp. <http://www.fhwa.dot.gov/publications/research/safety/15027/15027.pdf>

Midwest Guardrail System (MGS) with an Omitted Post /

Jessica L. Lingenfelter et al. -- Lincoln, NE : University of Nebraska-Lincoln, Nebraska Transportation Center, Midwest Roadside Safety Facility (MwRSF) ; Nebraska Dept. of Roads, Midwest States Pooled Fund Program, 2016-02 (TRP-03-326-16), 121 pp.

Occupant Restraint Use in 2014: Results from the NOPUS Controlled Intersection Study /

Timothy M. Pickrell, Eun-Ha Choi, and Shova KC -- Washington, DC : U.S. Dept. of Transportation, National Highway Traffic Safety Administration, Mathematical Analysis Division, National Center for Statistics and Analysis, 2016-02 (DOT HS 812 244), 30 pp. <http://www-nrd.nhtsa.dot.gov/Pubs/812244.pdf>

Performance Characteristics of Posts Embedded in Soil /

Brandt M. Humphrey et al. -- Lincoln, NE : University of Nebraska-Lincoln, Midwest Roadside Safety Facility (MwRSF) ; Region VII UTC, Mid-America Transportation Center ; Nebraska Dept. of Roads, 2015-08 (TRP-03-301-15 ; MATC-UNL: 057), 68 pp.

Pocket Guide to Large Truck and Bus Statistics, 2015 /

Federal Motor Carrier Safety Administration -- Washington, DC : U.S. Dept. of Transportation, FMCSA, Office of Analysis, Research and Technology, 2015-04, 55 pp. <http://www.fmcsa.dot.gov/safety/data-and-statistics/commercial-motor-vehicle-facts>

Safety Data, Analysis, and Evaluation /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2514), 186 pp. <http://www.trb.org/Publications/Blurbs/173742.aspx>

Safety Evaluation of Flashing Yellow Arrows for Protected/Permissive Left-Turn Control /

Kerrie L. Schattler, Eric Anderson, and Trevor Hanson -- Urbana, IL : University of Illinois at Urbana-Champaign, Dept. of Civil and Environmental Engineering, Illinois Center for Transportation ; Springfield, IL : Illinois Dept. of Transportation, Bureau of Material and Physical Research, 2016-03 (FHWA-ICT-16-010), 97 pp. <https://apps.ict.illinois.edu/projects/getfile.asp?id=4814>

Safety Evaluation of Intersection Conflict Warning Systems (ICWS) [TechBrief] /

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, TFHRC, 2016-02 (FHWA-HRT-15-076), 12 pp. <https://www.fhwa.dot.gov/publications/research/safety/15076/index.cfm>

Safety Evaluation of Wet-Reflective Pavement Markings [TechBrief] /

Turner-Fairbank Highway Research Center -- McLean, VA : U.S. Dept. of Transportation, Federal Highway Administration, TFHRC, 2015-12 (FHWA-HRT-15-083), 8 pp. <http://www.fhwa.dot.gov/publications/research/safety/15083/15083.pdf>

State Practices for Local Road Safety /

Seri Park et al. -- Washington, DC : Transportation Research Board, 2016 (NCHRP Synthesis 486), 298 pp.
<http://www.trb.org/Publications/Blurbs/173789.aspx>

Traffic

Decision Support Systems for Transportation System Management and Operations (TSM&O) /

Mohammed Hadi et al. -- Miami, FL : Florida International University, Lehman Center for Transportation Research ; Tallahassee, FL : Florida Dept. of Transportation, Office of Research and Development, 2015-12 (FDOT BDV29-977-09), 249 pp.
http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_TE/FDOT-BDV29-977-09-rpt.pdf2

Developing a Method for Estimating AADT on All Louisiana Roads /

Xiaoduan Sun and Subasish Das -- Lafayette, LA : University of Louisiana at Lafayette, Dept. of Civil and Environmental Engineering ; Baton Rouge, LA : Louisiana Dept. of Transportation and Development, 2015-07 (FHWA/LA.14/548), 98 pp. http://www.ltrc.lsu.edu/pdf/2015/FR_548.pdf

Evaluation of the Effectiveness of ATM Messages Used During Incidents /

Max Rindels, Stephen Zitzow, and John Hourdos -- Minneapolis, MN : University of Minnesota, Dept. of Civil, Environmental, and Geo-Engineering, Minnesota Traffic Observatory ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services & Library, 2016-01 (MN/RC 2016-04), 67 pp.
<http://www.dot.state.mn.us/research/TS/2016/201604.pdf>

Expanding Transportation Systems Management and Operations (TSM&O) from Planning to Construction Primer /

Hatem Abou-Senna, Essam Radwan, and Alex Navaro -- Orlando, FL : University of Central Florida, Dept. of Civil, Environmental & Construction Engineering, Center for Advanced Transportation Systems Simulation (CATSS) ; Tallahassee, FL : Florida Dept. of Transportation Research Center, 2015-12 (FDOT BDV24-977-08), 119 pp.
http://www.dot.state.fl.us/research-center/Completed_Proj/Summary_TE/FDOT-BDV24-977-08-rpt.pdf

Freeway Operations; Regional Systems Management and Operations; Managed Lanes /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2484), 192 pp. <http://www.trb.org/Publications/Blurbs/173738.aspx>

Traffic Incident Management Quick Clearance Guidance and Implications /

Lance E. Dougald, Noah J. Goodall, and Ramkumar Venkatanarayana -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2016-02 (FHWA/VTRC 16-R9), 90 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r9.pdf

Transit

Identifying Local Transit Resources for Evacuation /

Chester Wilmot et al. -- Baton Rouge, LA : Louisiana State University, Dept. of Civil and Environmental Engineering Development ; Louisiana Dept. of Transportation and Development, 2015-12 (FHWA/LA.15/556), 125 pp. http://www.ltrc.lsu.edu/pdf/2015/FR_556.pdf - Final Report
http://www.ltrc.lsu.edu/pdf/2014/capsule_14_4SS.pdf - Tech Summary

Independent Cost Estimates for Design and Construction of Transit Facilities in Rural and Small Urban Areas /

ICF International et al. -- Washington, DC : Transportation Research Board, 2015-12 (Research Results Digest 397), 55 pp. <http://www.trb.org/Main/Blurbs/173714.aspx>

Public Transportation: Management, Performance, and Quality of Service - Volume 3 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2535), 121 pp. <http://www.trb.org/Publications/Blurbs/173884.aspx>

Public Transportation: Marketing, Fare Policy, and Transformative Data Trends - Volume 6 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2538), 109 pp. <http://www.trb.org/Publications/Blurbs/173970.aspx>

Public Transportation: Passenger Rail and Terminals - Volume 2 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2534), 115 pp. <http://www.trb.org/Publications/Blurbs/173741.aspx>

Public Transportation: Planning, Accessibility, and Parking - Volume 5 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2537), 184 pp. <http://www.trb.org/Publications/Blurbs/174039.aspx>

Public Transportation: Urban and Rural Bus Systems - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2015 (Transportation Research Record No. 2533), 155 pp. <http://www.trb.org/Publications/Blurbs/173743.aspx>

The Role of Transit in Support of High Growth Business Clusters in the U.S. /

Glen Weisbrod, Derek Cuter, and Chandler Duncan -- [Boston, MA] : Economic Development Research Group, Inc. ; Washington, DC : American Public Transportation Association (APTA), 2013, 84 pp.

Work Zones

Field Guide on Installation and Removal of Temporary Traffic Control Devices for Safe Maintenance and Work Zone Operations /

American Traffic Safety Services Association -- Fredericksburg, VA : ATSSA, 2012-06, 19 pp., flipchart

High Visibility Apparel in Work Zones: Characteristics of High-Visibility Safety Apparel /

American Traffic Safety Services Association -- Fredericksburg, VA : ATSSA, 2012-06, 19 pp., flipchart

Work Zone Safety Performance Measures for Virginia /

Young-Jun Kweon, In-Kyu Lim, and Michael D. Fontaine -- Charlottesville, VA : Virginia Transportation Research Council ; Richmond, VA : Virginia Dept. of Transportation, 2016-03 (VTRC 16-R10), 52 pp. http://www.virginiadot.org/vtrc/main/online_reports/pdf/16-r10.pdf